

## Refine Search

### Search Results -

Terms	Documents
5633360[pn]	2

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L28

Refine Search

Recall Text

Clear

Interrupt

### Search History

DATE: Sunday, March 21, 2004   [Printable Copy](#)   [Create Case](#)

**Set Name Query**  
 side by side

**Hit Count Set Name**  
 result set

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR*

<u>L28</u>	5633360 [pn]	2	<u>L28</u>
<u>L27</u>	L23 and chimeric	1	<u>L27</u>
<u>L26</u>	L23 and 2	2	<u>L26</u>
<u>L25</u>	L24 and 2	0	<u>L25</u>
<u>L24</u>	L23 and "2-0"	0	<u>L24</u>
<u>L23</u>	5929226 [pn]	2	<u>L23</u>
<u>L22</u>	L21 and "2-o-methyl"	43	<u>L22</u>
<u>L21</u>	chimeric near5 oligonucleotide\$ near5 (resist\$ or stabl\$)	93	<u>L21</u>
<u>L20</u>	5149797 [pn]	2	<u>L20</u>
<u>L19</u>	L17 and (resist\$ or stabl\$)	1	<u>L19</u>
<u>L18</u>	L17 and chimeric	0	<u>L18</u>
<u>L17</u>	5013830 [pn]	2	<u>L17</u>
<u>L16</u>	50113830 [pn]	0	<u>L16</u>
<u>L15</u>	L14 and chimeric	0	<u>L15</u>

<u>L14</u>	5633360 [pn]	2	<u>L14</u>
<u>L13</u>	"2" near5 modification\$ near10 "2-o-methyl"	288	<u>L13</u>
<u>L12</u>	"2" near5 modification\$ near20 "2-o-methyl"	291	<u>L12</u>
<u>L11</u>	"2" near5 modification\$ near5 sugar\$ near20 (resist\$ or stabl\$)	9	<u>L11</u>
<u>L10</u>	"2" near5 modification\$ near5 sugar\$ near10 (resist\$ or stabl\$)	6	<u>L10</u>
<u>L9</u>	"2" near5 modification\$ near5 sugar\$ and telomere\$	42	<u>L9</u>
<u>L8</u>	"2" near5 modification\$ near5 sugar\$	1224	<u>L8</u>
<u>L7</u>	L6 and "2"	2	<u>L7</u>
<u>L6</u>	L5 and (resist\$ or stabl\$)	2	<u>L6</u>
<u>L5</u>	5319080 [pn]	2	<u>L5</u>
<u>L4</u>	L3 and resistant\$	0	<u>L4</u>
<u>L3</u>	L2 and stable\$	0	<u>L3</u>
<u>L2</u>	L1 and stability	0	<u>L2</u>
<u>L1</u>	5118800 [pn]	2	<u>L1</u>

END OF SEARCH HISTORY

Set	Items	Description
? s telomer?	(5n)	length and oligonucleotide?
	106451	TELOMER?
	2348689	LENGTH
	11654	TELOMER?(5N)LENGTH
	408680	OLIGONUCLEOTIDE?
S1	388	TELOMER? (5N) LENGTH AND OLIGONUCLEOTIDE?
? s s1 and G4		
	388	S1
	16780	G4
S2	5	S1 AND G4

? d s2/3/1-5  
 Display 2/3/1 (Item 1 from file: 399)  
 DIALOG(R)File 399:CA SEARCH(R)  
 (c) 2004 American Chemical Society. All rts. reserv.

139001968 CA: 139(1)1968x PATENT  
 Modulation of telomere length by antisense oligonucleotides having a G-core sequence for inhibiting the division of a malignant cell and for modulating the effects of cellular aging  
 INVENTOR(AUTHOR): Hanecak, Ronnie C.; Anderson, Kevin P.; Bennett, C. Frank; Chiang, Ming-Yi; Brown-Driver, Vickie L.; Ecker, David J.; Vickers, Timothy A.; Wyatt, Jacqueline R.  
 LOCATION: USA  
 ASSIGNEE: Isis Pharmaceuticals, Inc.  
 PATENT: U.S. Pat. Appl. Publ. ; US 20030096776 A1 DATE: 20030522  
 APPLICATION: US 38335 (20020102) \*US 954185 (19920929) \*WO 93US9297 (19930929) \*US 403888 (19950612) \*US 299058 (19990423)  
 PAGES: 10 pp., Cont.-in-part of U.S. Ser. No. 299058, abandoned. CODEN: USXXCO LANGUAGE: English CLASS: 514044000; A61K-048/00A; C12N-015/85B; C07H-021/04B

- end of record -

?  
 Display 2/3/2 (Item 1 from file: 98)  
 DIALOG(R)File 98:General Sci Abs/Full-Text  
 (c) 2004 The HW Wilson Co. All rts. reserv.

04045896 H.W. WILSON RECORD NUMBER: BGSI99045896 (USE FORMAT 7 FOR FULLTEXT)  
 Ciliate telomerase biochemistry.  
 Collins, Kathleen  
 Annual Review of Biochemistry v. 68 (1999) p. 187-218  
 SPECIAL FEATURES: bibl il ISSN: 0066-4154  
 LANGUAGE: English  
 COUNTRY OF PUBLICATION: United States  
 WORD COUNT: 14303

- end of record -

?  
 Display 2/3/3 (Item 2 from file: 98)  
 DIALOG(R)File 98:General Sci Abs/Full-Text  
 (c) 2004 The HW Wilson Co. All rts. reserv.

03506104 H.W. WILSON RECORD NUMBER: BGSI97006104 (USE FORMAT 7 FOR FULLTEXT)  
 Structure, function, and replication of Saccharomyces cerevisiae telomeres.  
 Zakian, Virginia A  
 Annual Review of Genetics (Annu Rev Genet) v. 30 ('96) p. 141-72  
 SPECIAL FEATURES: bibl il ISSN: 0066-4197  
 LANGUAGE: English

COUNTRY OF PUBLICATION: United States  
WORD COUNT: 15210

- end of record -

?

Display 2/3/4 (Item 1 from file: 315)  
DIALOG(R)File 315:ChemEng & Biotec Abs  
(c) 2004 DECHEMA. All rts. reserv.

370464 CEABA Accession No.: 26-09-020060 DOCUMENT TYPE: Patent  
Title: \*\*\*Oligonucleotides\*\*\* having a conserved \*\*\*G4\*\*\* core sequence.  
AUTHOR: Hanecak, R. C.; Anderson, K. P.; Bennett, C. F.; Chiang, Ming-Yi;  
Brown-Driver, V. L.; ET AL.  
CORPORATE SOURCE: Isis Pharm., Inc. Carlsbad, CA 92008 USA  
CODEN: PIXXD2  
PATENT NUMBER: WO 9408053  
PUBLICATION DATE: 14 Apr 1994 (940414) LANGUAGE: English  
PRIORITY PATENT APPLICATION(S) & DATE(S): US 7/954185 (920929)

- end of record -

?

Display 2/3/5 (Item 1 from file: 358)  
DIALOG(R)File 358:Current BioTech Abs  
(c) 2004 DECHEMA . All rts. reserv.

074424 CBA Acc. No.: 13-09-007215 DOC. TYPE: Patent  
\*\*\*Oligonucleotides\*\*\* having a conserved \*\*\*G4\*\*\* core sequence.  
AUTHOR: Hanecak, R. C.; Anderson, K. P.; Bennett, C. F.; Chiang, Ming-Yi;  
Brown-Driver, V. L.; ET AL.  
CORPORATE SOURCE: Isis Pharm., Inc., Carlsbad, CA 92008, USA  
CODEN: PIXXD2  
PATENT NUMBER: WO 9408053  
PATENT APPLICATION: US 07 (920929)  
PUBLICATION DATE: 14 Apr 1994 (940414) LANGUAGE: English

- end of display -

? s s1 and phosphorothioate?

388 S1

35766 PHOSPHOROTHIOATE?

S3 20 S1 AND PHOSPHOROTHIOATE?

? rd s3

...completed examining records

S4 10 RD S3 (unique items)

? d s4/3/1-10

Display 4/3/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0013179015 BIOSIS NO.: 200100350854  
Human telomerase reverse transcriptase antisense treatment downregulates  
the viability of prostate cancer cells in vitro  
AUTHOR: Schindler Ascan; Fiedler Ulrike; Meye Axel (Reprint); Schmidt Uta;  
Fuessel Susanne; Pilarsky Christian; Herrmann Jana; Wirth Manfred P  
AUTHOR ADDRESS: Department of Urology, Faculty of Medicine, Technical  
University of Dresden, Fetscherstr. 74, D-01307, Dresden, Germany\*\*  
Germany  
JOURNAL: International Journal of Oncology 19 (1): p25-30 July, 2001 2001  
MEDIUM: print  
ISSN: 1019-6439  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

- end of record -

?

Display 4/3/2 (Item 2 from file: 5)  
DIALOG(R)File 5:BIOSIS Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0012569878 BIOSIS NO.: 200000288191

Inhibition of human telomerase activity by antisense **phosphorothioate oligonucleotides** encapsulated with the transfection reagent, FuGENETM6, in HeLa cells

AUTHOR: Tamura Yutaka; Tao Maozuam; Miyano-Kurosaki Naoko; Takai Kazuyuki; Takaku Hiroshi (Reprint)

AUTHOR ADDRESS: Department of Industrial Chemistry and High Technology Research Center, Chiba Institute of Technology, 2-17-1 Tsudanuma, Narashino, Chiba, 275-0016, Japan\*\*Japan

JOURNAL: Antisense and Nucleic Acid Drug Development 10 (2): p87-96 April, 2000 2000

MEDIUM: print

ISSN: 1087-2906

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

- end of record -

?

Display 4/3/3 (Item 1 from file: 154)  
DIALOG(R)File 154:MEDLINE(R)  
(c) format only 2004 The Dialog Corp. All rts. reserv.

10687907 PMID: 10805159

Inhibition of human telomerase activity by antisense **phosphorothioate oligonucleotides** encapsulated with the transfection reagent, FuGENE6, in HeLa cells.

Tamura Y; Tao M; Miyano-Kurosaki N; Takai K; Takaku H

Department of Industrial Chemistry and High Technology Research Center, Chiba Institute of Technology, Japan.

Antisense & nucleic acid drug development (UNITED STATES) Apr 2000, 10 (2) p87-96, ISSN 1087-2906 Journal Code: 9606142

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

- end of record -

?

Display 4/3/4 (Item 1 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

139001968 CA: 139(1)1968x PATENT

Modulation of telomere length by antisense oligonucleotides having a G-core sequence for inhibiting the division of a malignant cell and for modulating the effects of cellular aging

INVENTOR(AUTHOR): Hanecak, Ronnie C.; Anderson, Kevin P.; Bennett, C. Frank; Chiang, Ming-Yi; Brown-Driver, Vickie L.; Ecker, David J.; Vickers, Timothy A.; Wyatt, Jacqueline R.

LOCATION: USA

ASSIGNEE: Isis Pharmaceuticals, Inc.

PATENT: U.S. Pat. Appl. Publ. ; US 20030096776 A1 DATE: 20030522

APPLICATION: US 38335 (20020102) \*US 954185 (19920929) \*WO 93US9297 (19930929) \*US 403888 (19950612) \*US 299058 (19990423)

PAGES: 10 pp., Cont.-in-part of U.S. Ser. No. 299058, abandoned. CODEN: USXXCO LANGUAGE: English CLASS: 514044000; A61K-048/00A; C12N-015/85B;

C07H-021/04B

- end of record -

?

Display 4/3/5 (Item 2 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

122001059 CA: 122(1)1059a PATENT  
Oligonucleotides with a core sequence of four guanine residues and their  
use in the inhibition of phospholipases and of viral gene expression  
INVENTOR(AUTHOR): Hanecak, Ronnie C.; Anderson, Kevin P.; Bennett, C.  
Frank; Chiang, Ming-yi; Brown-driver, Vickie L.; Ecker, David J.; Vickers,  
Timothy A.; Wyatt, Jacqueline R.; Imbach, Jean Louis  
LOCATION: USA  
ASSIGNEE: ISIS Pharmaceuticals, Inc.  
PATENT: PCT International ; WO 9408053 A1 DATE: 940414  
APPLICATION: WO 93US9297 (930929) \*US 954185 (920929)  
PAGES: 144 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12Q-001/70A;  
C12Q-001/68B; A01N-043/04B; A61K-031/70B; C07H-015/12B; C07H-017/00B  
DESIGNATED COUNTRIES: AU; BB; BG; BR; BY; CA; CZ; FI; HU; JP; KP; KR; KZ;  
LK; MG; MN; MW; NO; NZ; PL; RO; RU; SD; SK; UA; US; VN  
DESIGNATED REGIONAL: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC;  
NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; ML; MR; NE; SN; TD; TG

- end of record -

?

Display 4/3/6 (Item 1 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2004 Elsevier Science B.V. All rts. reserv.

11715676 EMBASE No: 2002288491  
Targeting human telomerase by antisense **oligonucleotides** and  
ribozymes  
Folini M.; Pennati M.; Zaffaroni N.  
M. Folini, Dipartimento Oncologia Sperimentale, Unita' Operativa 10, Ist.  
Nazionale Studio Cura Tumori, Via Venezian 1, 20133 Milano Italy  
AUTHOR EMAIL: marco.folini@istitutotumori.mi.it  
Current Medicinal Chemistry - Anti-Cancer Agents ( CURR. MED. CHEM.  
ANTI-CANCER AGENTS ) (Netherlands) 2002, 2/5 (605-612)  
CODEN: CMCAC ISSN: 1568-0118  
DOCUMENT TYPE: Journal ; Review  
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH  
NUMBER OF REFERENCES: 59

- end of record -

?

Display 4/3/7 (Item 1 from file: 357)  
DIALOG(R)File 357:Derwent Biotech Res.  
(c) 2004 Thomson Derwent & ISI. All rts. reserv.

0321258 DBR Accession No.: 2003-22398 PATENT  
New chemically modified **oligonucleotides**, useful for modulating  
**telomere length** of a mammalian chromosome, inhibiting the  
division of a malignant mammalian cell, or modulating the effects of  
aging of a mammalian cell - antisense **oligonucleotide** synthesis  
for use in cancer or aging process gene therapy  
AUTHOR: HANECAR R C; ANDERSON K P; BENNETT C F; CHIANG M; BROWN-DRIVER  
V L; ECKER D J; VICKERS T A; WYATT J R  
PATENT ASSIGNEE: ISIS PHARM INC 2003  
PATENT NUMBER: US 20030096776 PATENT DATE: 20030522 WPI ACCESSION NO.:  
2003-606442 (200357)  
PRIORITY APPLIC. NO.: US 38335 APPLIC. DATE: 20020102

NATIONAL APPLIC. NO.: US 38335 APPLIC. DATE: 20020102  
LANGUAGE: English

- end of record -

?

Display 4/3/8 (Item 2 from file: 357)  
DIALOG(R)File 357:Derwent Biotech Res.  
(c) 2004 Thomson Derwent & ISI. All rts. reserv.

0304749 DBR Accession No.: 2003-06534 PATENT  
Treating condition associated with cell senescence or increased rate of  
cell proliferation, by administering to cell an agent that derepresses  
telomerase in the senescing cells or that reduces loss of  
**telomere length** - ribozyme administration to Candida  
albicans for telomerase inhibition for use in cancer or neoplasia  
diagnosis and therapy  
AUTHOR: WEST M D; SHAY J; WRIGHT W; BLACKBURN E H  
PATENT ASSIGNEE: WEST M D; SHAY J; WRIGHT W; BLACKBURN E H 2002  
PATENT NUMBER: US 20020127634 PATENT DATE: 20020912 WPI ACCESSION NO.:  
2003-066896 (200306)  
PRIORITY APPLIC. NO.: US 463404 APPLIC. DATE: 19950605  
NATIONAL APPLIC. NO.: US 463404 APPLIC. DATE: 19950605  
LANGUAGE: English

- end of record -

?

Display 4/3/9 (Item 3 from file: 357)  
DIALOG(R)File 357:Derwent Biotech Res.  
(c) 2004 Thomson Derwent & ISI. All rts. reserv.

0164928 DBR Accession No.: 94-07479 PATENT  
Chimeric **oligonucleotide** chemical modification with a guanine quartet  
and **phosphorothioate** intersugar link - DNA sequence; application  
as a HIV virus virucide, phospholipase-A2-inhibitor and in chromosome  
**telomere length** modulation  
PATENT ASSIGNEE: Isis-Pharm. 1994  
PATENT NUMBER: WO 9408053 PATENT DATE: 940414 WPI ACCESSION NO.:  
94-135613 (9416)  
PRIORITY APPLIC. NO.: US 954185 APPLIC. DATE: 920929  
NATIONAL APPLIC. NO.: WO 93US9297 APPLIC. DATE: 930929  
LANGUAGE: English

- end of record -

?

Display 4/3/10 (Item 1 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
(c) 2004 ProQuest Info&Learning. All rts. reserv.

01724298 ORDER NO: AADAA-I9950429  
A structure activity study and the mechanism of cytotoxicity of a short  
**phosphorothioate** telomere mimetic compound  
Author: Page, Todd J.  
Degree: Ph.D.  
Year: 1999  
Corporate Source/Institution: University of Nebraska Medical Center (  
0367)  
Source: VOLUME 60/11-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 5303. 138 PAGES

- end of display -

?

>>>Page beyond end of display invalid  
? s sl and chimeric (n) oligonucleotide?

388 S1  
189150 CHIMERIC  
408680 OLIGONUCLEOTIDE?  
1451 CHIMERIC(N)OLIGONUCLEOTIDE?  
S5 3 S1 AND CHIMERIC (N) OLIGONUCLEOTIDE?  
? d s5/3/1-3  
Display 5/3/1 (Item 1 from file: 266)  
DIALOG(R)File 266:FEDRIP  
Comp & dist by NTIS, Intl Copyright All Rights Res. All rts. reserv.

00318213  
IDENTIFYING NO.: 5P01CA62220-10 0004 AGENCY CODE: CRISP  
TELOMERASE INACTIVATION BY RNASE L SIGNALS CELL DEATH  
PRINCIPAL INVESTIGATOR: SILVERMAN, ROBERT H  
ADDRESS: CLEVELAND CLINIC FOUNDATION 9500 EUCLID AVE  
PERFORMING ORG.: CLEVELAND CLINIC FOUNDATION, CLEVELAND, OHIO  
SPONSORING ORG.: NATIONAL CANCER INSTITUTE  
DATES: 2008/15/94 TO 2003/31/04 FY : 2003

- end of record -

?  
Display 5/3/2 (Item 1 from file: 357)  
DIALOG(R)File 357:Derwent Biotech Res.  
(c) 2004 Thomson Derwent & ISI. All rts. reserv.

0321258 DBR Accession No.: 2003-22398 PATENT  
New chemically modified **oligonucleotides**, useful for modulating  
**telomere length** of a mammalian chromosome, inhibiting the  
division of a malignant mammalian cell, or modulating the effects of  
aging of a mammalian cell - antisense **oligonucleotide** synthesis  
for use in cancer or aging process gene therapy  
AUTHOR: HANCAK R C; ANDERSON K P; BENNETT C F; CHIANG M; BROWN-DRIVER  
V L; ECKER D J; VICKERS T A; WYATT J R  
PATENT ASSIGNEE: ISIS PHARM INC 2003  
PATENT NUMBER: US 20030096776 PATENT DATE: 20030522 WPI ACCESSION NO.:  
2003-606442 (200357)  
PRIORITY APPLIC. NO.: US 38335 APPLIC. DATE: 20020102  
NATIONAL APPLIC. NO.: US 38335 APPLIC. DATE: 20020102  
LANGUAGE: English

- end of record -

?  
Display 5/3/3 (Item 2 from file: 357)  
DIALOG(R)File 357:Derwent Biotech Res.  
(c) 2004 Thomson Derwent & ISI. All rts. reserv.

0164928 DBR Accession No.: 94-07479 PATENT  
**Chimeric oligonucleotide** chemical modification with a guanine  
quartet and phosphorothioate intersugar link - DNA sequence;  
application as a HIV virus virucide, phospholipase-A2-inhibitor and in  
chromosome **telomere length** modulation  
PATENT ASSIGNEE: Isis-Pharm. 1994  
PATENT NUMBER: WO 9408053 PATENT DATE: 940414 WPI ACCESSION NO.:  
94-135613 (9416)  
PRIORITY APPLIC. NO.: US 954185 APPLIC. DATE: 920929  
NATIONAL APPLIC. NO.: WO 93US9297 APPLIC. DATE: 930929  
LANGUAGE: English

- end of display -

? s (modulat? or alter?) (5n) telomer? (5n) oligonucleotide?  
Processing  
Processed 10 of 34 files ...  
Completed processing all files



1959580 MODULAT?  
5063945 ALTER?  
106451 TELOMER?  
408680 OLIGONUCLEOTIDE?  
S6 45 (MODULAT? OR ALTER?) (5N) TELOMER? (5N) OLIGONUCLEOTIDE?  
? rd s6  
...completed examining records  
S7 29 RD S6 (unique items)  
? d s7/3/1-27  
Display 7/3/1 (Item 1 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0013886025 BIOSIS NO.: 200200479536  
Differential regulation of telomerase activity by six telomerase subunits  
AUTHOR: Chang Joseph Tung-Chieh; Chen Yin-Ling; Yang Huei-Ting; Chen  
Chi-Yuan; Cheng Ann-Joy (Reprint)  
AUTHOR ADDRESS: School of Medical Technology, Chang Gung University, 259  
Wen-Hwa 1st Road, Taoyuan, 333, Taiwan\*\*Taiwan  
JOURNAL: European Journal of Biochemistry 269 (14): p3442-3450 July, 2002  
2002  
MEDIUM: print  
ISSN: 0014-2956  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

- end of record -

?  
Display 7/3/2 (Item 2 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0013398214 BIOSIS NO.: 200100570053  
Antisense inhibition of telomeric repeat binding factor 2 expression  
AUTHOR: Monia Brett P; Cowser Lex M  
JOURNAL: Official Gazette of the United States Patent and Trademark Office  
Patents 1251 (2): Oct. 9, 2001 2001  
MEDIUM: e-file  
PATENT NUMBER: US 6300132 PATENT DATE GRANTED: October 09, 2001 20011009  
PATENT CLASSIFICATION: 435-375 PATENT ASSIGNEE: Isis Pharmaceuticals, Inc.  
PATENT COUNTRY: USA  
ISSN: 0098-1133  
DOCUMENT TYPE: Patent  
RECORD TYPE: Abstract  
LANGUAGE: English

- end of record -

?  
Display 7/3/3 (Item 3 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0013059105 BIOSIS NO.: 200100230944  
Antisense modulation of telomeric repeat binding factor 1 expression  
AUTHOR: Monia Brett P; Cowser Lex M  
JOURNAL: Official Gazette of the United States Patent and Trademark Office  
Patents 1239 (2): Oct. 10, 2000 2000  
MEDIUM: e-file  
PATENT NUMBER: US 6130088 PATENT DATE GRANTED: October 10, 2000 20001010  
PATENT CLASSIFICATION: 435-375 PATENT ASSIGNEE: Isis Pharmaceuticals Inc.  
PATENT COUNTRY: USA  
ISSN: 0098-1133

DOCUMENT TYPE: Patent  
RECORD TYPE: Abstract  
LANGUAGE: English

- end of record -

?

Display 7/3/4 (Item 4 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0011328033 BIOSIS NO.: 199800122280  
Plasmodium falciparum telomerase: De novo telomere addition to telomeric  
and nontelomeric sequences and role in chromosome healing  
AUTHOR: Bottius Emmanuel; Bakhsis Nassera; Scherf Artur (Reprint)  
AUTHOR ADDRESS: Unite de Parasitologie Experimentale, Institut Pasteur, 25  
rue du Dr. Roux, 75724 Paris Cedex 15, France\*\*France  
JOURNAL: Molecular and Cellular Biology 18 (2): p919-925 Feb., 1998 1998  
MEDIUM: print  
ISSN: 0270-7306  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

- end of record -

?

Display 7/3/5 (Item 1 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

139242267 CA: 139(16)242267y PATENT  
Method using replicated telomeres for identifying modulators of Borrelia  
telomere resolvase for therapeutic use  
INVENTOR(AUTHOR): Chaconas, George; Kobryn, Kerri; Tourand, Yvonne M.  
LOCATION: Can.,  
PATENT: U.S. Pat. Appl. Publ. ; US 20030170693 A1 DATE: 20030911  
APPLICATION: US 326587 (20021220) \*US PV341752 (20011221)  
PAGES: 36 pp. CODEN: USXXCO LANGUAGE: English CLASS: 435006000;  
C12Q-001/68A; A61K-048/00B

- end of record -

?

Display 7/3/6 (Item 2 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

139001968 CA: 139(1)1968x PATENT  
Modulation of telomere length by antisense oligonucleotides having a  
G-core sequence for inhibiting the division of a malignant cell and for  
modulating the effects of cellular aging  
INVENTOR(AUTHOR): Hanecak, Ronnie C.; Anderson, Kevin P.; Bennett, C.  
Frank; Chiang, Ming-Yi; Brown-Driver, Vickie L.; Ecker, David J.; Vickers,  
Timothy A.; Wyatt, Jacqueline R.  
LOCATION: USA  
ASSIGNEE: Isis Pharmaceuticals, Inc.  
PATENT: U.S. Pat. Appl. Publ. ; US 20030096776 A1 DATE: 20030522  
APPLICATION: US 38335 (20020102) \*US 954185 (19920929) \*WO 93US9297  
(19930929) \*US 403888 (19950612) \*US 299058 (19990423)  
PAGES: 10 pp., Cont.-in-part of U.S. Ser. No. 299058, abandoned. CODEN:  
USXXCO LANGUAGE: English CLASS: 514044000; A61K-048/00A; C12N-015/85B;  
C07H-021/04B

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Display 7/3/7 (Item 3 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

138034136 CA: 138(4)34136g PATENT  
Modulation of telomerase reverse transcriptase (TERT) expression by  
inhibiting binding of repressor factor to a repressor-binding site C and  
therapeutic applications  
INVENTOR(AUTHOR): Foster, Christopher A.; Fraser, Stephanie;  
Mohammadpour, Hamid; Andrews, William H.  
LOCATION: USA  
ASSIGNEE: Sierra Sciences, Inc.  
PATENT: PCT International ; WO 2002101010 A2 DATE: 20021219  
APPLICATION: WO 2002US17959 (20020606) \*US PV296992 (20010607)  
PAGES: 47 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12N-000/A  
DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;  
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;  
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;  
LV; MA; MD; MG; MK; MN; MW; MX; MZ; NO; NZ; OM; PH; PL; PT; RO; RU; SD; SE;  
SG; SI; SK; SL; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZM; ZW;

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DIALOG(R)File 399:CA SEARCH(R)  
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AM; AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS; MW  
; MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
GR; IE; IT; LU; MC; NL; PT; SE; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG

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Display 7/3/8 (Item 4 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
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136211874 CA: 136(14)211874c PATENT  
DNA constructs containing the site C repressor binding site for  
modulating telomerase reverse transcriptase expression  
INVENTOR(AUTHOR): Andrews, William H.; Foster, Christopher A.; Fraser,  
Stephanie; Mohammadpour, Hamid  
LOCATION: USA  
ASSIGNEE: Sierra Sciences, Inc.  
PATENT: PCT International ; WO 200216657 A1 DATE: 20020228  
APPLICATION: WO 2001US25861 (20010817) \*US PV227865 (20000824) \*US  
PV230174 (20000901) \*US PV238345 (20001005)  
PAGES: 66 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12Q-003/00A;  
C12Q-001/68B; C12Q-033/567B; C12P-021/04B; C12N-015/00B; C12N-005/00B;  
C07H-021/04B DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG;  
BR; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB;  
GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR;  
LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NO; NZ; PH; PL; PT; RO; RU;

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DIALOG(R)File 399:CA SEARCH(R)  
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SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZW;  
AM; AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS; MW  
; MZ; SD; SL; SZ; TZ; UG; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR;  
IE; IT; LU; MC; NL; PT; SE; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML;

MR; NE; SN; TD; TG

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Display 7/3/9 (Item 5 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

136000598 CA: 136(1)598c PATENT  
Antisense oligonucleotides for modulation of telomerase catalytic subunit  
gene expression and treatment of cancer  
INVENTOR(AUTHOR): Monia, Brett P.; Gaarde, William A.; Freier, Susan M.;  
Wancewicz, Edward  
LOCATION: USA  
ASSIGNEE: Isis Pharmaceuticals, Inc.  
PATENT: PCT International ; WO 200188198 A1 DATE: 20011122  
APPLICATION: WO 2001US15774 (20010515) \*US 572423 (20000516) \*US 733294  
(20001207)  
PAGES: 154 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12Q-001/68A;  
C07H-021/04B; C12N-015/85B DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU;  
AZ; BA; BB; BG; BR; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EE;  
ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ;  
LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NO; NZ; PL; PT;  
RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; TZ; UA; UG; US; UZ; VN; YU;

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DIALOG(R)File 399:CA SEARCH(R)  
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ZA; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE  
; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR;  
GB; GR; IE; IT; LU; MC; NL; PT; SE; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GW;  
ML; MR; NE; SN; TD; TG

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Display 7/3/10 (Item 6 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

135056090 CA: 135(5)56090c PATENT  
Antisense modulation of telomeric repeat binding factor 2 expression  
INVENTOR(AUTHOR): Monia, Brett P.; Cowsert, Lex M.  
LOCATION: USA  
ASSIGNEE: Isis Pharmaceuticals, Inc.  
PATENT: PCT International ; WO 200143752 A1 DATE: 20010621  
APPLICATION: WO 2000US33954 (20001214) \*US 467642 (19991217)  
PAGES: 108 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: A61K-031/7088A;  
A61K-031/7115B; A61K-031/712B; A61K-031/7125B; C07H-021/00B; C12N-005/06B  
DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;  
CA; CH; CN; CR; CU; CZ; DE; DK; DM; DZ; EE; ES; FI; GB; GD; GE; GH; GM; HR;  
HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA;  
MD; MG; MK; MN; MW; MX; MZ; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL;  
TJ; TM; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZW; AM; AZ; BY; KG; KZ; MD;  
RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG  
; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT;

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SE; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG

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Display 7/3/11 (Item 7 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

135016022 CA: 135(2)16022a (CORRECTION OF 134(24)337614v) PATENT  
Nucleic acid-based ribozyme and DNAzyme modulators of gene expression  
INVENTOR(AUTHOR): McSwiggen, James; Usman, Nassim; Blatt, Lawrence;  
Beigelman, Leonid; Burgin, Alex; Karpeisky, Alexander; Matulic-adamic,  
Jasenska; Sweedler, David; Draper, Kenneth; Chowrira, Bharat; Stinchcomb,  
Dan; Beaudry, Amber; Zinnen, Shawn; Lugwig, Janos; Sproat, Brian S.  
LOCATION: USA  
ASSIGNEE: Ribozyme Pharmaceuticals, Inc.  
PATENT: PCT International ; WO 200116312 A2 DATE: 20010308  
APPLICATION: WO 2000US23998 (20000830) \*US PV151713 (19990831) \*US 406643  
(19990927) \*US PV156467 (19990927) \*US PV156236 (19990927) \*US 436430  
(19991108) \*US PV169100 (19991206) \*US PV173612 (19991229) \*US 474432  
(19991229) \*US 476387 (19991230) \*US 498824 (20000204) \*US 531025  
(20000320) \*US PV197769 (20000414) \*US 578223 (20000523)  
PAGES: 717 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12N-015/11;  
C12N-009/00; C07H-021/00; C07H-019/00; C12P-019/34; A61K-031/7088;

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Display 7/3/11 (Item 7 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
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C12N-005/10; A61P-003/10; A61P-009/00; A61P-035/38; A61P-035/00  
DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;  
CA; CH; CN; CR; CU; CZ; DE; DK; DM; DZ; EE; ES; FI; GB; GD; GE; GH; GM; HR;  
HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA;  
MD; MG; MK; MN; MW; MX; MZ; NO; NZ DESIGNATED REGIONAL: GH; GM; KE; LS; MW  
; MZ; SD; SL; SZ; TZ; UG; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR;  
IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE;  
SN; TD; TG

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Display 7/3/12 (Item 8 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

133291090 CA: 133(21)291090v PATENT  
Antisense oligonucleotide modulation of telomeric repeat binding factor 1  
gene expression  
INVENTOR(AUTHOR): Monia, Brett P.; Cowser, Lex M.  
LOCATION: USA  
ASSIGNEE: Isis Pharmaceuticals Inc.  
PATENT: United States ; US 6130088 A DATE: 20001010  
APPLICATION: US 358384 (19990721)  
PAGES: 34 pp. CODEN: USXXAM LANGUAGE: English CLASS: 435375000;  
C07H-021/04A; C12Q-001/68B; C12N-015/85B

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Display 7/3/13 (Item 9 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2004 American Chemical Society. All rts. reserv.

133275958 CA: 133(20)275958d JOURNAL

Human hepatoma cell telomerase activity inhibition and cell cycle modulation by its RNA component antisense oligodeoxyribonucleotides  
AUTHOR(S): Zhang, Ru-Gang; Wang, Xing-Wang; Yuan, Jin-Hui; Xie, Hong  
LOCATION: Shanghai Institute of Cell Biology, Chinese Academy of Sciences, Shanghai, Peop. Rep. China, 200031  
JOURNAL: Acta Pharmacol. Sin. DATE: 2000 VOLUME: 21 NUMBER: 8 PAGES: 742-746 CODEN: APSCG5 LANGUAGE: English PUBLISHER: Science Press

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Display 7/3/14 (Item 10 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
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122001059 CA: 122(1)1059a PATENT  
Oligonucleotides with a core sequence of four guanine residues and their use in the inhibition of phospholipases and of viral gene expression  
INVENTOR(AUTHOR): Hanecak, Ronnie C.; Anderson, Kevin P.; Bennett, C. Frank; Chiang, Ming-yi; Brown-driver, Vickie L.; Ecker, David J.; Vickers, Timothy A.; Wyatt, Jacqueline R.; Imbach, Jean Louis  
LOCATION: USA  
ASSIGNEE: ISIS Pharmaceuticals, Inc.  
PATENT: PCT International ; WO 9408053 A1 DATE: 940414  
APPLICATION: WO 93US9297 (930929) \*US 954185 (920929)  
PAGES: 144 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12Q-001/70A; C12Q-001/68B; A01N-043/04B; A61K-031/70B; C07H-015/12B; C07H-017/00B  
DESIGNATED COUNTRIES: AU; BB; BG; BR; BY; CA; CZ; FI; HU; JP; KP; KR; KZ; LK; MG; MN; MW; NO; NZ; PL; RO; RU; SD; SK; UA; US; VN  
DESIGNATED REGIONAL: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; ML; MR; NE; SN; TD; TG

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Display 7/3/15 (Item 1 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2004 Inst for Sci Info. All rts. reserv.

10592119 Genuine Article#: 545MX No. References: 88  
Title: Phosphates, DNA, and the search for nonterrean life: A second generation model for genetic molecules  
Author(s): Benner SA (REPRINT) ; Hutter D  
Corporate Source: Univ Florida, Dept Chem, POB 117200/Gainesville//FL/32611 (REPRINT); Univ Florida, Dept Chem, Gainesville//FL/32611; Univ Florida, Dept Anat, Gainesville//FL/32611; Univ Florida, Dept Cell Biol, Gainesville//FL/32611  
Journal: BIOORGANIC CHEMISTRY, 2002, V30, N1 (FEB), P62-80  
ISSN: 0045-2068 Publication date: 20020200  
Publisher: ACADEMIC PRESS INC ELSEVIER SCIENCE, 525 B ST, STE 1900, SAN DIEGO, CA 92101-4495 USA  
Language: English Document Type: REVIEW (ABSTRACT AVAILABLE)

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Display 7/3/16 (Item 2 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2004 Inst for Sci Info. All rts. reserv.

08647278 Genuine Article#: 312CY No. References: 41  
Title: Pharmacokinetics and in vivo effects of a six-base phosphorothioate oligodeoxynucleotide with anticancer and hematopoietic activities in swine  
Author(s): Mata JE; Jackson JD; Joshi SS; Tracewell WG; Pirruccello SJ; Murphy BJ; Bishop MR; Iversen PL (REPRINT)

Corporate Source: AVI BIOPHARMA INC PI,4575 SW RES WAY, SUITE  
 200/CORVALLIS//OR/97333 (REPRINT); AVI BIOPHARMA INC  
 PI,/CORVALLIS//OR/97333; UNIV NEBRASKA,MED CTR, DEPT PATHOL &  
 MICROBIOL/OMAHA//NE/68198; UNIV NEBRASKA,MED CTR, DEPT CELL BIOL &  
 ANAT/OMAHA//NE/68198; UNIV NEBRASKA,MED CTR, EPPLEY CANC  
 CTR/OMAHA//NE/68198; UNIV NEBRASKA,MED CTR, DEPT INTERNAL  
 MED/OMAHA//NE/68198; MDS HARRIS,/LINCOLN//NE/68502; UNIV NEBRASKA,MED  
 CTR, DEPT PHARMACOL/OMAHA//NE/68198  
 Journal: JOURNAL OF HEMATOTHERAPY & STEM CELL RESEARCH, 2000, V9, N2 (APR)  
 , P205-214

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Ref	Items	Index-term
E1	28	*AU=HANECAK, RONNIE
E2	15	AU=HANECAK, RONNIE C.
E3	3	AU=HANECAKOVA J
E4	1	AU=HANECAKOVA M
E5	1	AU=HANECAKOVA, J.
E6	2	AU=HANECAKOVA, M.
E7	1	AU=HANECHAK B
E8	1	AU=HANECHAK, B.
E9	1	AU=HANECHI KEISAKU
E10	2	AU=HANECHI NORIO
E11	1	AU=HANECHI SHIGENAGA
E12	2	AU=HANECHI TATSUSHI

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Ref	Items	Index-term
E1	90	*AU=HANECAK R
E2	15	AU=HANECAK R C
E3	17	AU=HANECAK R.
E4	2	AU=HANECAK R.C.
E5	2	AU=HANECAK RC
E6	10	AU=HANECAK RONNIE
E7	12	AU=HANECAK RONNIE C
E8	4	AU=HANECAK, R.
E9	6	AU=HANECAK, R. C.
E10	28	AU=HANECAK, RONNIE
E11	15	AU=HANECAK, RONNIE C.
E12	3	AU=HANECAKOVA J

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Ref	Items	Index-term
E1	1	AU=ANDERSON, KERRY R.
E2	1	AU=ANDERSON, KERRY ROBERT
E3	57	*AU=ANDERSON, KEVIN
E4	4	AU=ANDERSON, KEVIN B.
E5	1	AU=ANDERSON, KEVIN BRENT
E6	1	AU=ANDERSON, KEVIN BRETT
E7	1	AU=ANDERSON, KEVIN D.
E8	1	AU=ANDERSON, KEVIN DAVID
E9	4	AU=ANDERSON, KEVIN E
E10	3	AU=ANDERSON, KEVIN E.
E11	2	AU=ANDERSON, KEVIN EDGAR
E12	1	AU=ANDERSON, KEVIN EDWARD

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Ref	Items	Index-term
E1	1	AU=ANDERSON JWR
E2	3	AU=ANDERSON JY
E3	3024	*AU=ANDERSON K
E4	289	AU=ANDERSON K A
E5	47	AU=ANDERSON K B
E6	933	AU=ANDERSON K C
E7	476	AU=ANDERSON K D
E8	963	AU=ANDERSON K E
E9	2	AU=ANDERSON K E H
E10	1	AU=ANDERSON K ERIC
E11	22	AU=ANDERSON K F
E12	74	AU=ANDERSON K G

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